

Message Text

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ACTION OES-06

INFO OCT-01 IO-13 ISO-00 ACDA-10 CIAE-00 INR-07 L-03
NSAE-00 NSC-05 EB-08 NRC-07 FEAE-00 DODE-00 EPA-04
CEQ-01 SS-15 (ISO) W
-----022025 118454 /44

R 021446Z MAR 77

FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC 8718

USERDA WASHDC

USERDA GERMANTOWN

UNCLAS SECTION 1 OF 2 IAEA VIENNA 1644

DEPT PASS IO/SCT, OES, AND NRC

EO 11652:NA

TAGS: IAEA, PARM, TECH

SUBJECT: AGENCY REQUEST FOR US ACCEPTANCE OF SAL RADIOACTIVE
WASTE

REF: IAEA VIENNA 1136

1. REFTEL TRANSMITTED TEXT OF DIRECTOR GENERAL EKLUND'S
LETTER REQUESTING THAT USG CONSIDER ACCEPTANCE BY US
LABORATORY OR OTHER FACILITY OF PLUTONIUM-BEARING RESIDUE
FROM AGENCY'S SAFEGUARDS ANALYTICAL LABORATORY (SAL) AT
SEIBERSDORF, AUSTRIA. PER PARA 4 REFTEL, MISSION COMMENTS
FOLLOW ON SUBJECT OF HOW US ACCEPTANCE OF SAL WASTE MIGHT
CONTRIBUTE TO SOLUTION OF PROBLEM OF SAMPLES FROM UNIFIED

INVENTORIES UNDER NPT SAFEGUARDS AGREEMENTS.

2. WHEN, DURING SAFEGUARDS INSPECTIONS, IAEA INSPECTORS

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TAKE SAMPLES FOR ANALYSIS AT SAL OR AT AN IAEA CONTRACT
LABORATORY, THE AGENCY IS REQUIRED BY AGREEMENT WITH THE US
TO FILE A REPORT OF TRANSFER (ERDA FORM SER-2) WHENEVER
THE SAMPLE IS TAKEN FROM SPECIAL NUCLEAR MATERIAL KNOWN
TO BE OF US ORIGIN. (THIS TERM, AS USED IN THIS MESSAGE,
IS INTENDED TO INCLUDE NUCLEAR MATERIAL PRODUCED FROM
MATERIAL OF US ORIGIN.) REQUIREMENT FOR AGENCY FILING

OF SER-2 FORM IS DOCUMENTED IN LETTER FROM MISSION TO IAEA DATED MAY 12, 1971, AND THE PRUPOSE IS TO ASSURE THAT US/IAEA BILATERAL AGREEMENT APPLIES TO SUCH SAMPLES.

3. WHEN FACILITY BEING INSPECTED IS IN AN NNWS AND UNDER NPT SAFEGUARDS, IT IS OFTEN NOT POSSIBLE TO DETERMINE THE ORIGIN OF THE MATERIAL ACTUALLY SAMPLED SINCE ARTICLE 41 OF INFCRIC 153 CALLS FOR UNIFIED INVENTORY IN WHICG MATERIAL FROM VARIOUS SOURCES MAY BE COMBINED. IN SUCH CASES, THE FACILITY OPERATORS MAY BE UNABLE TO DETERMINE WHEHTER SAMPLED MATERIAL IS OF US ORIGIN AND AGENCY MAY THUS BE UNABLE TO DETERMINE WHETHER US/IAEA AGREEMENT APPLIES TO SAMPLE AND THUS WHETHR FILING OF SER-2 FORM IS WARRANTED.

4. VIRTUALLY THE ENTIRE QUANTITY OF SPECIAL NUCLEAR MATERIAL CONTAINED IN SAMPLES RECEIVED AT SAL EVENTUALLY ENDS UP IN RESIDUES, WASTE AND SCRAP (REFERRED TO AS RESIDUE HEREFTER). SAL RESIDUE, FROM ALL SOURCES, IS COMINGLED INTO A SINGLE UNIFIED RESIDUE INVENTORY, SOME OF WHICH MAY BE TREATED FOR RECOVERY OF SPECIAL NUCLEAR MATERIAL. SHOULD THE US AGREE TO ACCEPT SAL RESIDUE, THE US WOULD REACQUIRE WHATEVER MATERIAL OF US-ORIGIN WAS CONTAINED IN SAL-PROCESSED SAMPLES; WE WOULD ALSO ACQUIRE MATERIAL OF NON-US ORIGIN CONTAINED IN SAL-PROCESSED SAMPLES. THUS, BY AGREEING TO ACCEPT ALL UNCLASSIFIED

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SAL RESIDUES, THE US MIGHT SOLVE IDENTIFY PROBLEM DESCRIBED IN PARA 3 BY PERMITTING ALL SAMPLES (WHETHER TAKEN FROM UNIFIED INVENTORIES OR FROM NON-UNIFIED INVENTORIES OF KNOWN US-ORIGIN) TO BE TRANSFERRED FROM FACILITIES BEING INSPECTED TO ANALYTICAL LABORATORIES WITHOUT IDENTIFICATION OF NATIONAL ORIGIN.

5. ANOTHER POSSIBLE APPROACH TO THE PROBLEM DESCRIBED IN PARA 3, SHOULD THE US DECIDE NOT ACCEPT SAL RADIO-ACTIVE RESIDUE, WOULD BE TO TRANSFER SAMPLES FROM FACILITIES TO SAL AS INDICATED IN PARA 4 (I.E. WITHOUT IDENTIFICATION OF NATIONAL ORIGIN), AND ASK THE AGENCY TO DESIGNATE ALL NUCLEAR MATERIAL IN SAL RESIDUE TO BE OF US-ORIGIN. THIS WOULD HAVE THE EFFECT OF CAUSING SAL RESIDUE TO BE SUBJECT TO THE US-IAEA GREEMENT FOR COOPERATION. BASIS FOR ASKING AGENCY TO COOPERATE IN THIS WAY WOULD BE THAT BECAUSE SAMPLES FROM SOME- NON-UNIFIED INVENTORIES WOULD BE KNOWN TO CONTAIN MATERIAL OF US-ORIGIN, AND SAMPLES FROM UNIFIED

INVENTORIES MIGHT CONTAIN MATERIAL OF US-ORIGIN, THE ONLY WAY THE US WOULD BE PREPARED TO PERMIT SAMPLES FROM UNIFIED INVENTORIES TO BE TRANSFERRED WITHOUT IDENTIFICATION OF NATIONAL ORIGIN WOULD BE IF THE AGENCY WOULD AGREE TO DESIGNATE ALL NUCLEAR MATERIAL IN SAL RESIDUE TO BE OF US-ORIGIN. SECRETARIAT DUBIOUS ABOUT THIS APPROACH, BELIEVING IT MIGHT HAVE DIFFICULTY DISPOSING OF SAL RESIDUE TO ANOTHER COUNTRY IF RESIDUE WERE DECLARED TO BE MATERIAL OF US-ORIGIN.

6. CURRENTLY, ABOUT 80 PERCENT OF IAEA SAFEGUARDS SAMPLES ARE ANALYZED AT SAL, WITH REMAINING 20 PERCENT ANALYZED AT AGENCY'S NETWORK OF CONTRACT LABORATORIES. (ALL SAMPLES COME T SAL; SOME ARE ANALYZED AT SAL; UNCLASSIFIED

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THE REMAINDER IS SENT TO CONTRACT LABORATORIES FOR ANALYSIS.) SECRETARIAT ESTIMATES THAT WITHIN FEW YEARS CONTRACT LABORATORIES WILL PERFORM ABOUT 50 PERCENT OF AGENCY'S SAFEGUARDS SAMPLE ANALYSIS WORK. AGENCY'S

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ACTION OES-06

INFO OCT-01 IO-13 ISO-00 ACDA-10 CIAE-00 INR-07 L-03
NSAE-00 NSC-05 EB-08 NRC-07 FEAE-00 DODE-00 EPA-04
CEQ-01 SS-15 /080 W
-----021933 115028 /44

R 021446Z MAR 77
FM USMISSION IAEA VIENNA
TO SECSTATE WASHDC 8719
USERDA HQ WASHDC
USERDA HQ GERMANTOWN

UNCLAS SECTION 2 OF 2 IAEA VIENNA 1644

USERDA WASHDC PASS SIEVERING

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PROPOSAL FOR US ACCEPTANCE OF SAL RADIOACTIVE WASTE WOULD NOT APPLY TO WASTE FROM CONTRACT LABORATORIES WHICH WOULD CONTINUE TO BE RESPONSIBLE FOR DISPOSAL OF THEIR OWN WASTE. RESIDUES AT THOSE LABORATORIES FROM SAMPLES TAKEN OF MATERIAL OF KNOWN US ORIGIN WOULD BE COMINGLED WITH RESIDUE FROM SAMPLES TAKEN FROM MATERIAL OF NON-US ORIGIN OR OF INDETERMINATE ORIGIN (I.E., FROM UNIFIED INVENTORIES).

7. EXCEPT FOR FEW CASES UNDER TRILATERALS IN FORCE TO WHICH US IS PARTY DATA CONCERNING PROPORTION OF US ORIGIN MATERIAL IN PRESENT OR FUTURE INVENTORIES OF FACILITIES UNDER IAEA SAFEGUARDS ARE NOT AVAILABLE. NEVERTHELESS, EVEN IF SAMPLES ARE DISTRIBUTED BETWEEN SAL AND THE NETWORK OF CONTRACT LABORATORIES ON RANDOM BASIS, WITH AT LEAST HALF OF THE TOTAL GOING TO SAL, IT CAN BE REASONABLY ASSUMED THAT THE NUCLEAR MATERIAL WHICH WILL ACCUMULATE IN SAL RESIDUES DURING ONE YEAR OR MORE WILL APPROXIMATE THE MATERIAL OF US ORIGIN WHICH COULD REASONABLY BE ESTIMATED TO BE UNCLASSIFIED

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CONTAINED IN ALL THE SAMPLES TAKEN DURING THAT PERIOD. THIS ASSUMPTION TAKES INTO ACCOUNT FACT THAT, WHILE SOME MATERIAL OF US ORIGIN GOES TO CONTRACT LABORATORIES, SOME MATERIAL OF NON-US ORIGIN GOES TO SAL.

8. AGENCY'S REQUEST FOR US ACCEPTANCE OF SAL WASTE WAS LIMITED TO PLUTONIUM-BEARING RESIDUES, BUT ALSO INCLUDED EXPRESSION BY AGENCY OF WILLINGNESS TO CONSIDER AS WELL US ACCEPTANCE OF NON-PLUTONIUM-BEARING URANIUM SAL RESIDUES, SHOULD THE US WISH TO DO SO. IF APPROACH DESCRIBED PARA 4 ABOVE IS TAKEN, MISSION BELIEVES THAT IN ORDER TO COMPREHENSIVELY RESOLVE THE MATERIAL IDENTITY PROBLEM FOR UNIFIED INVENTORIES, IT WOULD BE IN INTEREST OF US TO ACCEPT ALL SAL RESIDUES INCLUDING NON-PLUTONIUM-BEARING URANIUM.

9. WE CAN ENVISION SITUATIONS IN WHICH SOME MIX MIGHT BE EMPLOYED OF THE PROCEDURES DESCRIBED IN PARAS 4 AND 5. FOR EXAMPLE, THE GOVERNMENT OF AUSTRIA HAS AGREED TO ACCEPT CATEGORY 4 SAL RESIDUE (FOUR CATEGORIES OF SAL RESIDUE WAS DESCRIBED IN THE DG'S LETTER QUOTED IN REFTL). THUS, THE US MIGHT ACCEPT RESIDUE CATEGORIES 1, 2 AND 3 UNDER THE PROCEDURE DESCRIBED PARA 4, AND GOA MIGHT ACCEPT CATEGORY 4 RESIDUE UNDER THE PROCEDURE DESCRIBED PARA 5.

10. REFTEL MAY BE DECLASSIFIED.

11. MISSION REQUESTS URGENT ATTENTION THIS MATTER.STONE

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: POLICIES, RADIOACTIVE WASTES DISPOSAL, NUCLEAR SAFEGUARDS
Control Number: n/a
Copy: SINGLE
Sent Date: 02-Mar-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
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Disposition Event:
Disposition History: n/a
Disposition Reason:
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Document Number: 1977IAEAV01644
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770072-0275
Format: TEL
From: IAEA VIENNA
Handling Restrictions: n/a
Image Path:
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Legacy Key: link1977/newtext/t197703102/aaaadlxu.tel
Line Count: 228
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Litigation Codes:
Litigation History:
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Message ID: 3c4b88ac-c288-dd11-92da-001cc4696bcc
Office: ACTION OES
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 5
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 77 IAEA VIENNA 1136
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 06-Jan-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2942612
Secure: OPEN
Status: NATIVE
Subject: AGENCY REQUEST FOR US ACCEPTANCE OF SAL RADIOACTIVE WASTE
TAGS: PARM, TECH, AU, US, IAEA
To: STATE ERDA
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/3c4b88ac-c288-dd11-92da-001cc4696bcc
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